

| REVISIONS |         |          |                 |           |        |
|-----------|---------|----------|-----------------|-----------|--------|
| REV.      | ECN NO. | LOCATION | DESCRIPTION     | DATE      | DESIGN |
| A0        | N/A     |          | INITIAL RELEASE | /         | /      |
| A1        | N/A     |          | 图面升级整理图面        | 2025.2.19 | 阿树     |

Specifications:

规格:

Voltage rating:50V AC/DC

额定电压: 50V AC/DC

Current rating:0.5A AC/DC

额定电流: 0.5A AC/DC

Withstanding voltage:200V AC/minute

耐受电压: 200V AC/分钟

Temperature range:-40℃~+85℃

温度范围: -40℃~+85℃

Insulation resistance:100MΩ min

绝缘电阻: 100MΩ Min

Contact resistance:50mΩ Max

接触电阻: 50mΩ Max

PART NO.:

X0515 F V S-12 D S-9T V01  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

①Series No

②Category:F-Female

③Welding Board Angle:V-Stright 180°

④Welding Way: S-SMT

⑤Row No.Pin No:XX-04-100P

⑥Height:A=7.0; B=7.5; C=8.0; D=8.5mm;

⑦Special No:S-With positioning Columnm

⑧Material:9T-PA9T UL 94V-0 Black

⑨Plating:V01-Gold Flash

| Mating Height | PLUG | SOCKET |
|---------------|------|--------|
| 7.0           | 4.0  | 3.0    |
| 7.5           | 4.0  | 3.5    |
| 8.0           | 4.0  | 4.0    |
| 8.5           | 4.0  | 4.5    |

| Poles               | Dimensions |          |       |                 |   |                    | Poles | Dimensions |       |       |       |   |  |
|---------------------|------------|----------|-------|-----------------|---|--------------------|-------|------------|-------|-------|-------|---|--|
|                     | A          | B        | C     | D               | E |                    |       | A          | B     | C     | D     | E |  |
| 4                   | 3.70       | 0.50     | 1.56  | 2.40            |   |                    | 54    | 16.20      | 13.00 | 14.06 | 14.90 |   |  |
| 6                   | 4.20       | 1.00     | 2.06  | 2.90            |   |                    | 56    | 16.70      | 13.50 | 14.56 | 15.40 |   |  |
| 8                   | 4.70       | 1.50     | 2.56  | 3.40            |   |                    | 58    | 17.20      | 14.00 | 15.06 | 15.90 |   |  |
| 10                  | 5.20       | 2.00     | 3.06  | 3.90            |   |                    | 60    | 17.70      | 14.50 | 15.56 | 16.40 |   |  |
| 12                  | 5.70       | 2.50     | 3.56  | 4.40            |   |                    | 62    | 18.20      | 15.00 | 16.06 | 16.90 |   |  |
| 14                  | 6.20       | 3.00     | 4.06  | 4.90            |   |                    | 64    | 18.70      | 15.50 | 16.56 | 17.40 |   |  |
| 16                  | 6.70       | 3.50     | 4.56  | 5.40            |   |                    | 66    | 19.20      | 16.00 | 17.06 | 17.90 |   |  |
| 18                  | 7.20       | 4.00     | 5.06  | 5.90            |   |                    | 68    | 19.70      | 16.50 | 17.56 | 18.40 |   |  |
| 20                  | 7.70       | 4.50     | 5.56  | 6.40            |   |                    | 70    | 20.20      | 17.00 | 18.06 | 18.90 |   |  |
| 22                  | 8.20       | 5.00     | 6.06  | 6.90            |   |                    | 72    | 20.70      | 17.50 | 18.56 | 19.40 |   |  |
| 24                  | 8.70       | 5.50     | 6.56  | 7.40            |   |                    | 74    | 21.20      | 18.00 | 19.06 | 19.90 |   |  |
| 26                  | 9.20       | 6.00     | 7.06  | 7.90            |   |                    | 76    | 21.70      | 18.50 | 19.56 | 20.40 |   |  |
| 28                  | 9.70       | 6.50     | 7.56  | 8.40            |   |                    | 78    | 22.20      | 19.00 | 20.06 | 20.90 |   |  |
| 30                  | 10.20      | 7.00     | 8.06  | 8.90            |   |                    | 80    | 22.70      | 19.50 | 20.56 | 21.40 |   |  |
| 32                  | 10.70      | 7.50     | 8.56  | 9.40            |   |                    | 82    | 23.20      | 20.00 | 21.06 | 21.90 |   |  |
| 34                  | 11.20      | 8.00     | 9.06  | 9.90            |   |                    | 84    | 23.70      | 20.50 | 21.56 | 22.40 |   |  |
| 36                  | 11.70      | 8.50     | 9.56  | 10.40           |   |                    | 86    | 24.20      | 21.00 | 22.06 | 22.90 |   |  |
| 38                  | 12.20      | 9.00     | 10.06 | 10.90           |   |                    | 88    | 24.70      | 21.50 | 22.56 | 23.40 |   |  |
| 40                  | 12.70      | 9.50     | 10.56 | 11.40           |   |                    | 90    | 25.20      | 22.00 | 23.06 | 23.90 |   |  |
| 42                  | 13.20      | 10.00    | 11.06 | 11.90           |   |                    | 92    | 25.70      | 22.50 | 23.56 | 24.40 |   |  |
| 44                  | 13.70      | 10.50    | 11.56 | 12.40           |   |                    | 94    | 26.20      | 23.00 | 24.06 | 24.90 |   |  |
| 46                  | 14.20      | 11.00    | 12.06 | 12.90           |   |                    | 96    | 26.70      | 23.50 | 24.56 | 25.40 |   |  |
| 48                  | 14.70      | 11.50    | 12.56 | 13.40           |   |                    | 98    | 27.20      | 24.00 | 25.06 | 25.90 |   |  |
| 50                  | 15.20      | 12.00    | 13.06 | 13.90           |   |                    | 100   | 27.70      | 24.50 | 25.56 | 26.40 |   |  |
| 52                  | 15.70      | 12.50    | 13.56 | 14.40           |   |                    |       |            |       |       |       |   |  |
| X0515FVS-12DS-9TV01 |            | PA9T     |       | Phosphor Bronze |   | X0515W             |       |            |       |       |       |   |  |
| PART NO             |            | Material |       | Material(Pin)   |   | Suitable XKB Wafer |       |            |       |       |       |   |  |

Recommended PCB  
Layout(±0.05)

|                        |       |
|------------------------|-------|
| AuGLAR                 | ±5°   |
| X.                     | ±0.40 |
| X.x                    | ±0.30 |
| X.xx                   | ±0.20 |
| X.xxx                  | ±0.15 |
| UNSPECIFIED TOLERANCES |       |



DESIGN  
CHECKED  
APPROVED

阿树

VIEW:

UNIT: mm/in

SIZE: A4

MODEL TYPE:  
0.5mm BTB Style Connector

PART NO.:  
X0515FVS-12DS-9TV01

DWG NO.:  
X-X0515FVS-12DS-9TV01

| SCALE | PAGE | REVISION |
|-------|------|----------|
| N/A   | 1/1  | A1       |